

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 24/02/2015 Revision date: 04/01/2023 Supersedes version of: 15/10/2020 Version: 4.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	: Mixture
Product name	: Teak Oil
UFI	: 0C00-W0E7-U00K-121E
Product code	: OITEGEN
Type of product	: Wood Treatment

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public	
Main use category	
Use of the substance/mixture	

: Consumer use,Professional use : Wood Treatment

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

T +44 (0)179 60 00 60 T +353 21 206 6530	Manufacturer J.V. Barrett & Co. Ltd Ltd St Ivel Way Warmley United Kingdom– BS30 8TY Bristol United Kingdom	EU Barrettine (Europe) Ltd Ltd Unit 3D North Point House, North Point Business Park, New Mallow Road Ireland– T23 AT2P Cork Ireland
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1.4. Emergency telephone number

Emergency number

: +44 (0) 1179 600060 (Office hours only 8am - 5pm Mon- Thurs. 8 am - 4.30 pm Fri.) +44 (0) 1270 502891 (Out of hours emergency number)

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3	H226
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Aspiration hazard, Category 1	H304
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

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2.2. Label elements	
Labelling according to Regulation (EC)	No. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS02 GHS07 GHS08
Signal word (CLP)	: Danger
Contains	: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
Hazard statements (CLP)	: H226 - Flammable liquid and vapour.
	H304 - May be fatal if swallowed and enters airways.
	H336 - May cause drowsiness or dizziness.
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand.
	P102 - Keep out of reach of children.
	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources No smoking.
	P261 - Avoid breathing mist, fume, spray, vapours.
	P271 - Use only outdoors or in a well-ventilated area.
	P280 - Wear protective gloves, protective clothing, eye protection.
	P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor. Do NOT induce vomiting.
	P405 - Store locked up.
	P501 - Dispose of contents and container to a hazardous or special waste collection point.
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking.
Child-resistant fastening	: Applicable

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures			
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	EC-No.: 919-857-5 REACH-no: 01-2119463258- 33	≥ 70 – < 90	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336
Blown linseed oil	CAS-No.: 68649-95-6 EC-No.: 272-038-8 REACH-no: 01-2119484875- 20	≥ 10 – < 30	Aquatic Chronic 3, H412

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

: IF exposed or concerned: Get medical advice/attention.

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First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effects	, both acute and delayed
Symptoms/effects Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact	 May cause drowsiness or dizziness. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Repeated exposure may cause skin dryness or cracking. May cause eye irritation.

: Risk of lung oedema.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Symptoms/effects after ingestion

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.Do not use a heavy water stream.
5.2. Special hazards arising from the substance or mixture	
Fire hazard Hazardous decomposition products in case of fire	Flammable liquid and vapour.Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapours, spray.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		
Avoid release to the environment.		

6.3. Methods and material for containment and cleaning up		
Methods for cleaning up	 Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. 	
Other information	Dispose of materials or solid residues at an authorised site.	
6.4. Reference to other sections		

For further information refer to section 13.

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SECTION 7: Handling and storage	,
7.1. Precautions for safe handling	
Precautions for safe handling	 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing vapours, spray.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, inclu	ding any incompatibilities
Technical measures Storage conditions	Ground/bond container and receiving equipment.Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
7.3. Specific end use(s)	

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Use spark-/explosionproof appliances and lighting system.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Safety glasses

8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Protective gloves

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8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Colour Odour Odour threshold pH Relative evaporation rate (butylacetate=1) Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapour pressure Relative vapour density at 20°C Relative density Solubility	 Liquid light brown. Hydrocarbons. No data available No data available No data available No data available Not applicable 150 - 200 °C 44 °C No data available
Flammability (solid, gas) Vapour pressure Relative vapour density at 20°C Relative density	 Not applicable No data available No data available 0.77 @ 15 oC
Oxidising properties Explosive limits	: No data available : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

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10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information	
11.1 Information on toxicological effects	
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified Not classified Not classified
Blown linseed oil (68649-95-6)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Guideline: other:Japanese Ministry of Agriculture, Forestry and Fisheries (JMAFF), 12 Nousan, Notification No 8147, November 2000; including the most recent partial revisions.
Hydrocarbons, C9-C11, n-alkanes, isoalkane	s, cyclics, < 2% aromatics
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Skin corrosion/irritation:Serious eye damage/irritation:Respiratory or skin sensitisation:Germ cell mutagenicity:Carcinogenicity:Reproductive toxicity:STOT-single exposure:	Not classified Not classified Not classified Not classified Not classified Not classified May cause drowsiness or dizziness.
Hydrocarbons, C9-C11, n-alkanes, isoalkane	s, cyclics, < 2% aromatics
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure :	Not classified
Blown linseed oil (68649-95-6)	
NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Aspiration hazard :	May be fatal if swallowed and enters airways.
Teak Oil	
Viscosity, kinematic	14 mm²/s
Aliphatic, alicyclic or aromatic hydrocarbon	Yes
Blown linseed oil (68649-95-6)	
Viscosity, kinematic	90.522 mm²/s
Hydrocarbons, C9-C11, n-alkanes, isoalkane	s, cyclics, < 2% aromatics
Viscosity, kinematic	1.33 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'
Human evidence for classification	Yes
Hydrocarbon	Yes

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SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general :	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term : (acute)	Not classified
(chronic)	Not classified
Not rapidly degradable	
Blown linseed oil (68649-95-6)	
EC50 - Crustacea [1]	> 32.4 mg/l Test organisms (species): Daphnia magna
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Other adverse effects	
No additional information available	

SECTION 13: Disposal conside	erations
13.1. Waste treatment methods	
Waste treatment methods Additional information HP Code	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapours may accumulate in the container. HP3 - "Flammable:" flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C; flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air; flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction; flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa; water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities; other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste. HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause acute toxic effects following aspiration.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

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ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
UN 1263	UN 1263	UN 1263	UN 1263	UN 1263
14.2. UN proper shippin	g name			
PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	Paint	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
Transport document descr	iption			
UN 1263 PAINT RELATED MATERIAL, 3, III, (E)	UN 1263 PAINT RELATI MATERIAL, 3, III	ED UN 1263 Paint, 3, III	UN 1263 PAINT RELATED MATERIAL, 3, III	UN 1263 PAINT RELATE MATERIAL, 3, III
14.3. Transport hazard o	class(es)			
3	3	3	3	3
3				
14.4. Packing group				
Ш	III	III	III	III
14.5. Environmental haz	ards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary informatic	n available			
14.6. Special precaution	s for user			
Dverland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Special packing provisions (AD Mixed packing provisions (AD Fransport category (ADR) Special provisions for carriage Funnel restriction code (ADR) EAC code	DR) R) e - Operation (ADR)	F1 163, 367, 650 5I E1 P001, R001 PP1 MP19 3 S2 E •3YE		
Fransport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IM BC packing instructions (IMDG) Fank instructions (IMDG) Fank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Properties and observations (: IDG) : G) : : G) : : :	163, 223, 367, 955 5 L E1 P001, LP01 PP1 IBC03 T2 TP1, TP29 F-E S-E A Miscibility with water depends of	upon the composition	

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Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA)	: E1 : Y344 : 10L : 355 : 60L : 366 : 220L : A3, A72, A192 : 3L
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN)	 F1 163, 367, 650 5 L E1 PP, EX, A VE01 0
Rail transportClassification code (RID)Special provisions (RID)Limited quantities (RID)Excepted quantities (RID)Packing instructions (RID)Special packing provisions (RID)Mixed packing provisions (RID)Portable tank and bulk container instructions (RID)Portable tank and bulk container special provisions(RID)Tank codes for RID tanks (RID)Transport category (RID)Special provisions for carriage – Packages (RID)Colis express (express parcels) (RID)Hazard identification number (RID)	 F1 163, 367, 650 5L E1 P001, IBC03, LP01, R001 PP1 MP19 T2 TP1, TP29 LGBF 3 W12 CE4 30

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
3(a)	Teak Oil ; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	Teak Oil ; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

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EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(c)	Blown linseed oil	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	Teak Oil ; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

New format.

Indication of changes			
Section	Changed item	Change	Comments
1.3	Additional information	Modified	Added: Barrettine (Europe) Ltd
2.2	Precautionary statements (CLP)	Modified	

Abbreviations and acronyms:	
ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE Acute Toxicity Estimate	
BLV Biological limit value	

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Abbreviations a	and acronyms:
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Full text of H- and EUH-statements:

Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Asp. Tox. 1	Aspiration hazard, Category 1	
EUH066	Repeated exposure may cause skin dryness or cracking.	
Flam. Liq. 3	Flammable liquids, Category 3	
H226	Flammable liquid and vapour.	
H304	May be fatal if swallowed and enters airways.	
H336	May cause drowsiness or dizziness.	
H412	Harmful to aquatic life with long lasting effects.	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis	

The classification complies with

: ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.